

Supplemental Table 1: Variability of FT4 and FT3 levels measured in five representative RTH β families.

ft4 and ft3 levels are expressed as the percentage of the upper limit (UL=24 pmol/l and 7.1 pmol/l respectively) of the reference range. Among patients belonging to the same family a large variability in measured ft4 and ft3 has been found (-13 - +349%), suggesting the presence of inaccuracy of undefined origin).

<i>THRB</i> variant	Gender	age	patient	TSH uUI/ml (0.3-5)	ft4 % of UL	ft3% of UL
	F	58	1	1.3	+32	+52
A234T	F	60	2	1.01	+17	+28
	F	5	3	1.5	+77	-2.7
A268D	M	70	1	3.4	+250	+349
	M	43	2	1.1	+106	+141
	F	17	1	3.5	+38	+78
G347R	F	21	2	4.36	+25	+19
	F	47	3	0.71	+130	+24
	M	60	1	0.612	+22	+83
R338W	F	22	2	2.9	+79	+179
	F	34	3	6.06	+71	+60
	M	7	4	4.07	+179	+180
	F	62	1	5.6	+13	-13
P453T	M	38	2	1.3	+49	+18
	F	5	3	1.2	+152	+66